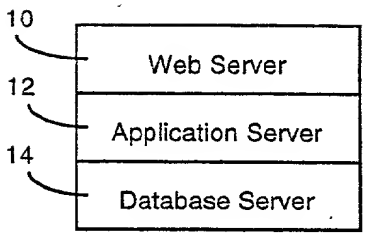

Fig. 1

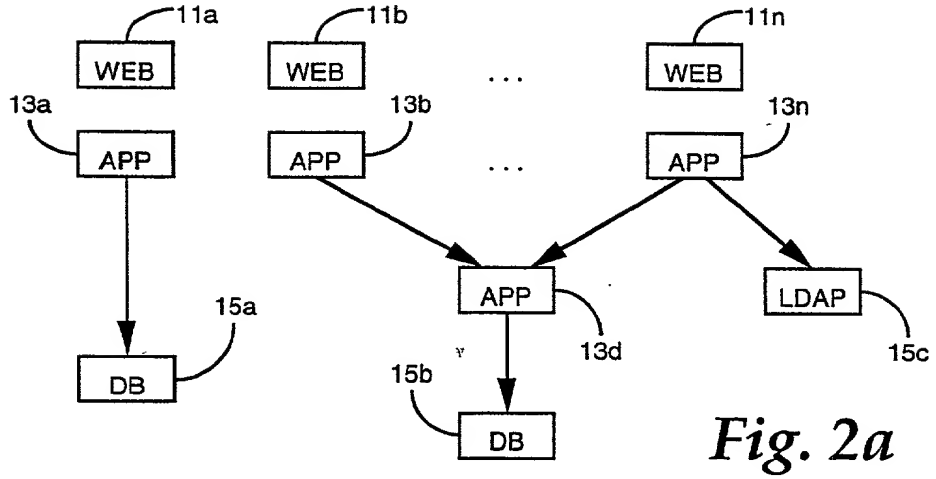

Fig. 2a

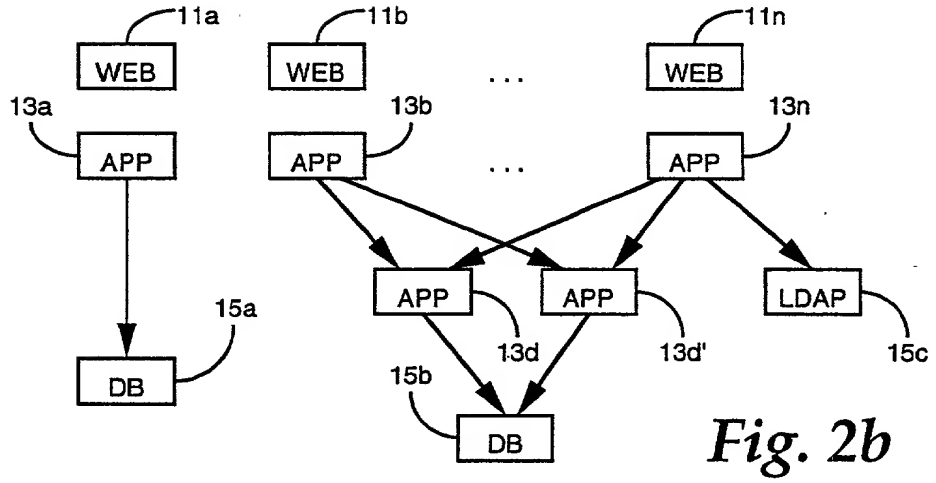

Fig. 2b

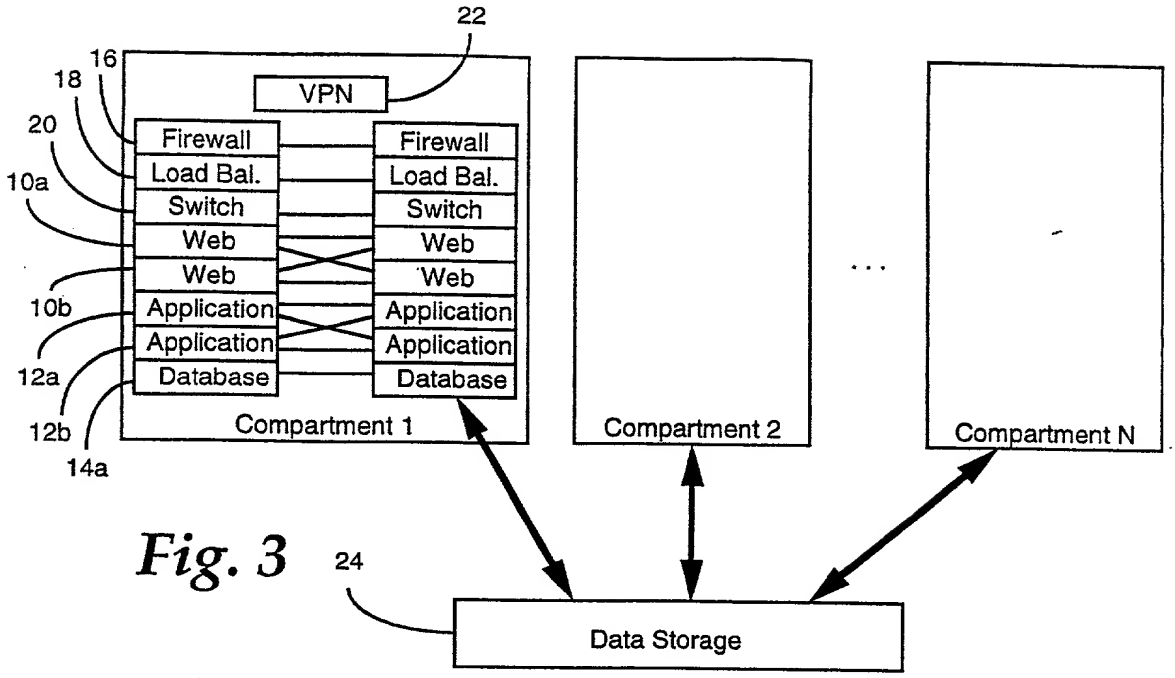
22
16
18
20
10a
10b
12a
12b
14a
VPN
Firewall
Load Bal.
Switch
Web
Web
Application
Application
Database
Firewall
Load Bal.
Switch
Web
Web
Application
Application
Database
Compartment 1
Compartment 2
Compartment N
24
Data Storage

Fig. 3

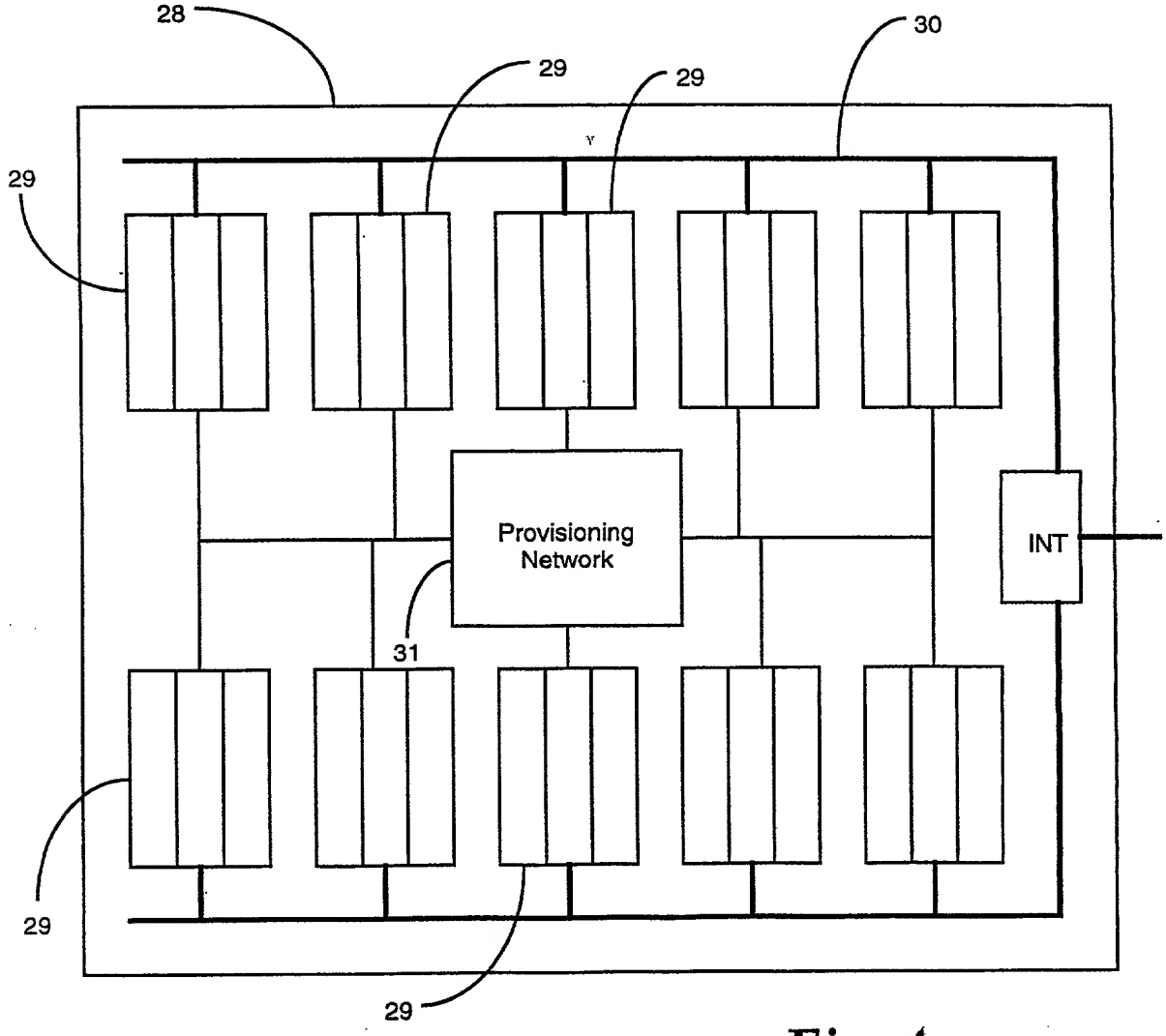
28
29
29
30
29
Provisioning Network
INT
31
29
29

Fig. 4

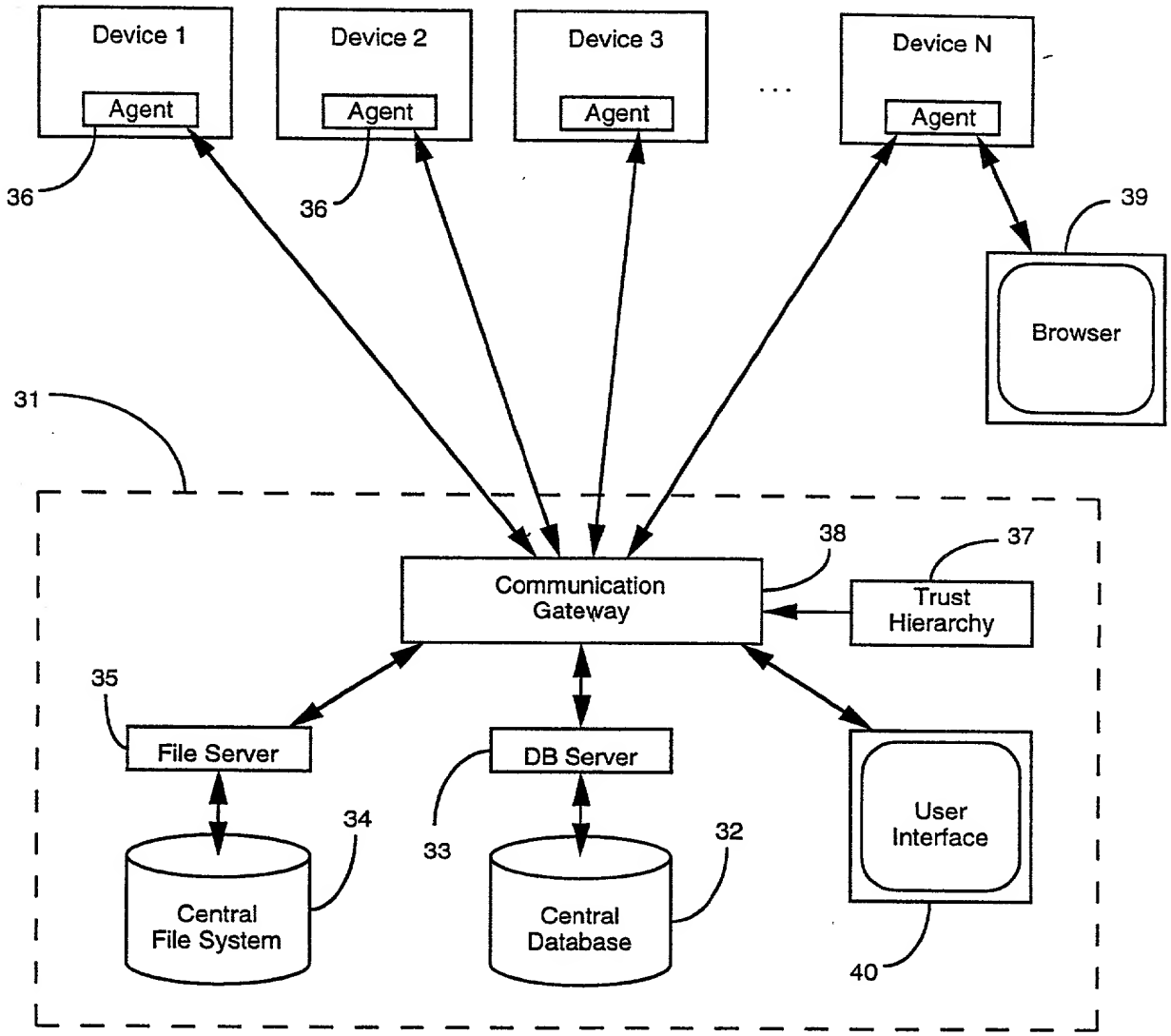
Device 1
Agent
Device 2
Agent
Device 3
Agent
Device N
Agent
36
36
39
Browser
31
38
37
Communication Gateway
Trust Hierarchy
35
File Server
DB Server
User Interface
34
33
32
Central File System
Central Database
40

Fig. 5

60

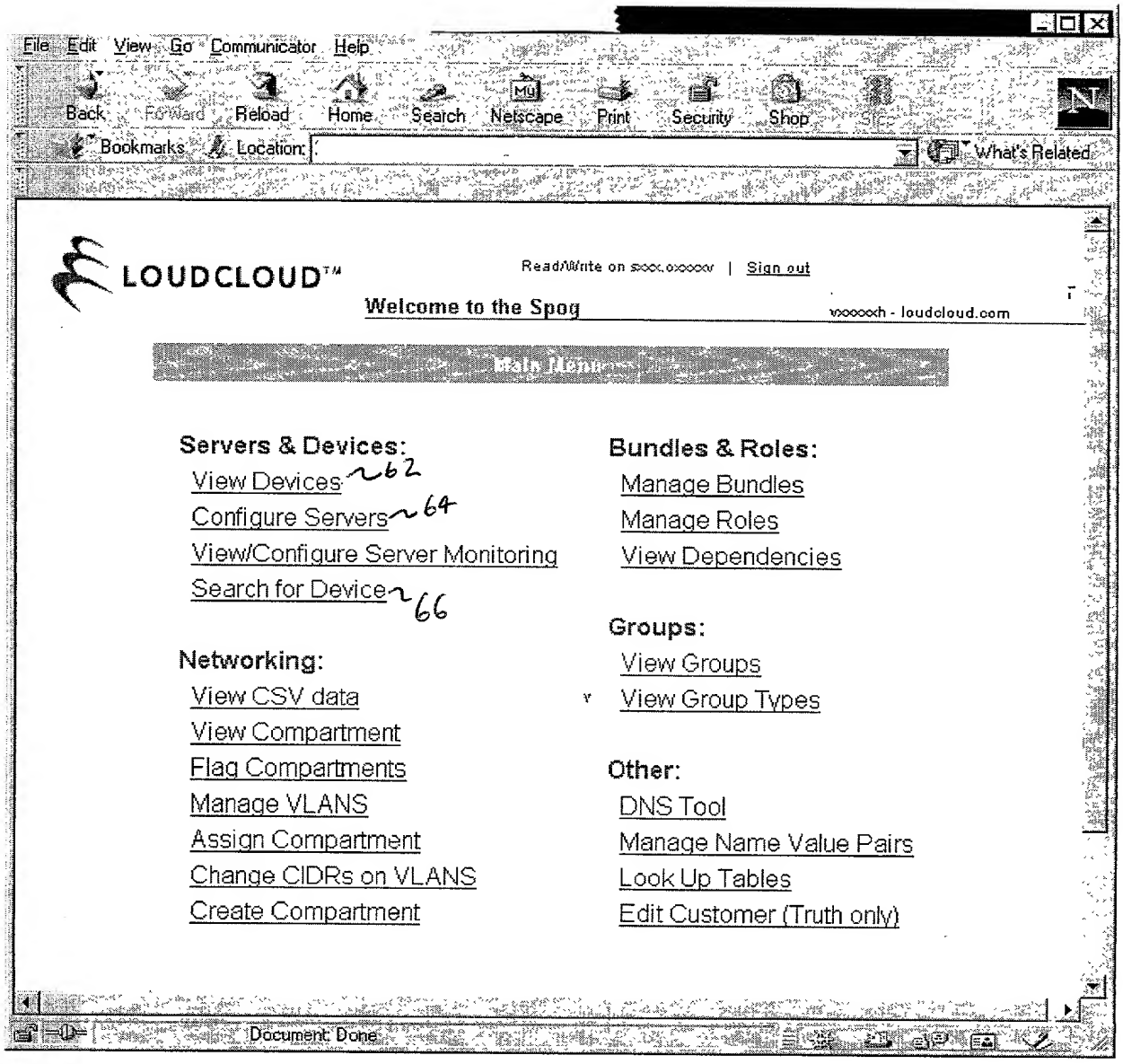
File Edit View Go Communicator Help
Back Forward Reload Home Search Netscape Print Security Shop
Bookmarks Location:
What's Related
LOUDCLOUD™
Read/Write on
Sign out
Welcome to the Spog
- loudcloud.com
Main Menu
Servers & Devices:
View Devices
Configure Servers
View/Configure Server Monitoring
Search for Device
Networking:
View CSV data
View Compartment
Flag Compartments
Manage VLANS
Assign Compartment
Change CIDRs on VLANS
Create Compartment
Bundles & Roles:
Manage Bundles
Manage Roles
View Dependencies
Groups:
View Groups
View Group Types
Other:
DNS Tool
Manage Name Value Pairs
Look Up Tables
Edit Customer (Truth only)
Document: Done

Fig. 6

70

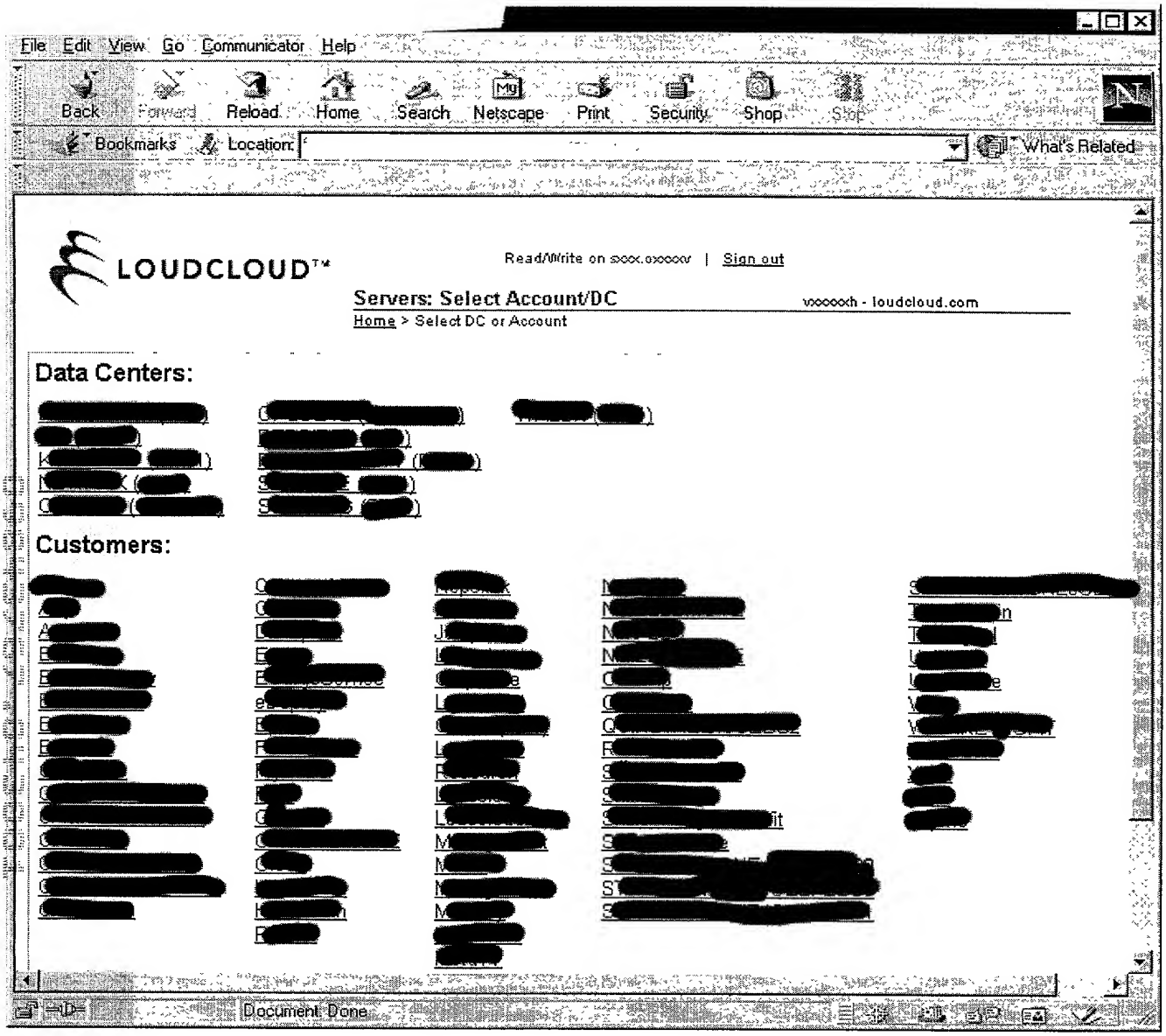
File Edit View Go Communicator Help
Back Forward Reload Home Search Netscape Print Security Shop Stop
Bookmarks Location:
What's Related
LOUDCLOUD™
Read/Write on xxxx.xxxxxv | Sign out
Servers: Select Account/DC
vxxxxxh - loudcloud.com
Home > Select DC or Account
Data Centers:
Customers:
Document Done

Fig. 7A

72

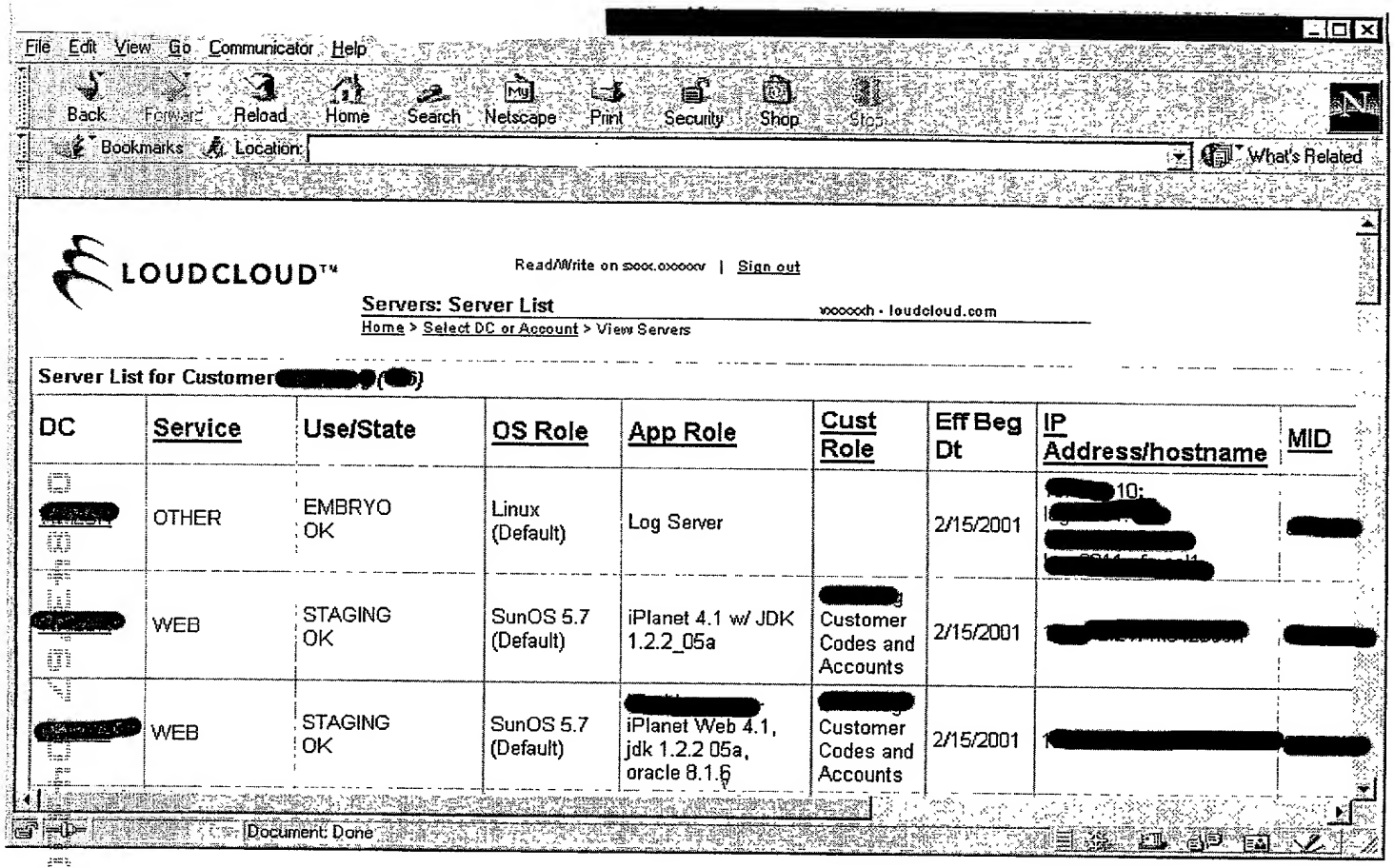
File Edit View Go Communicator Help
Back Forward Reload Home Search Netscape Print Security Shop Stop
Bookmarks Location: What's Related
LOUDCLOUD™
Read/Write on xxxx.xxxxxv | Sign out
Servers: Server List
xxxxxxh - loudcloud.com
Home > Select DC or Account > View Servers
Server List for Customer
DC | Service | Use/State | OS Role | App Role | Cust Role | Eff Beg Dt | IP Address/hostname | MID
OTHER | EMBRYO OK | Linux (Default) | Log Server | | 2/15/2001
WEB | STAGING OK | SunOS 5.7 (Default) | iPlanet 4.1 w/ JDK 1.2.2_05a | Customer Codes and Accounts | 2/15/2001
WEB | STAGING OK | SunOS 5.7 (Default) | iPlanet Web 4.1, jdk 1.2.2 05a, oracle 8.1.6 | Customer Codes and Accounts | 2/15/2001
Document: Done

Fig. 7B

80

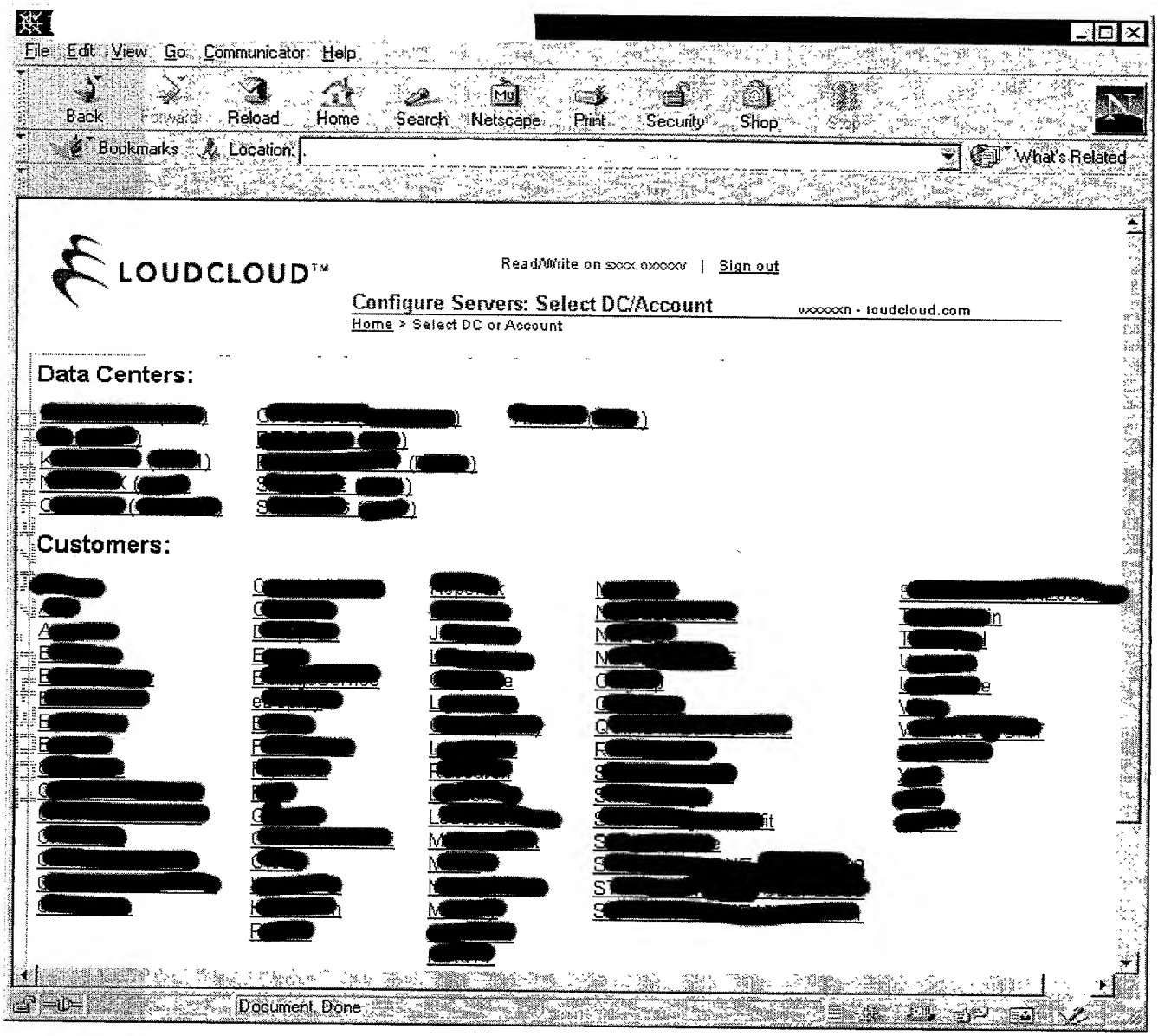
File Edit View Go Communicator Help
Back Forward Reload Home Search Netscape Print Security Shop
Bookmarks Location:
What's Related
LOUDCLOUD™
Read/Write on [redacted] | Sign out
Configure Servers: Select DC/Account
[redacted] - loudcloud.com
Home > Select DC or Account
Data Centers:
Customers:
Document Done

Fig. 8A

82

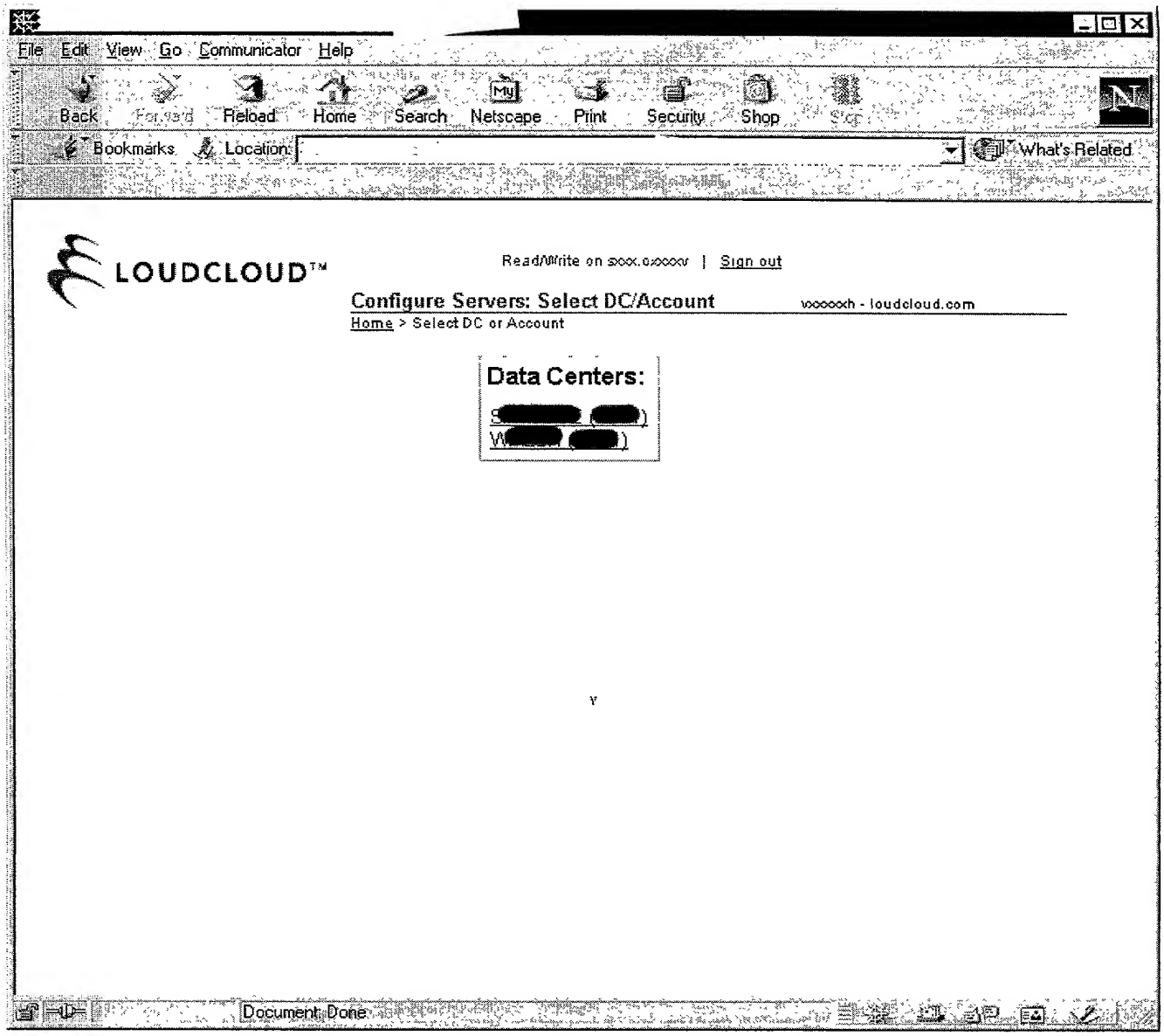
File Edit View Go Communicator Help
Back Forward Reload Home Search Netscape Print Security Shop Stop
Bookmarks Location: What's Related
LOUDCLOUD™
Read/Write on xxx.xxxxv | Sign out
Configure Servers: Select DC/Account
xxxxxxh - loudcloud.com
Home > Select DC or Account
Data Centers:
Document: Done

Fig. 8B

84

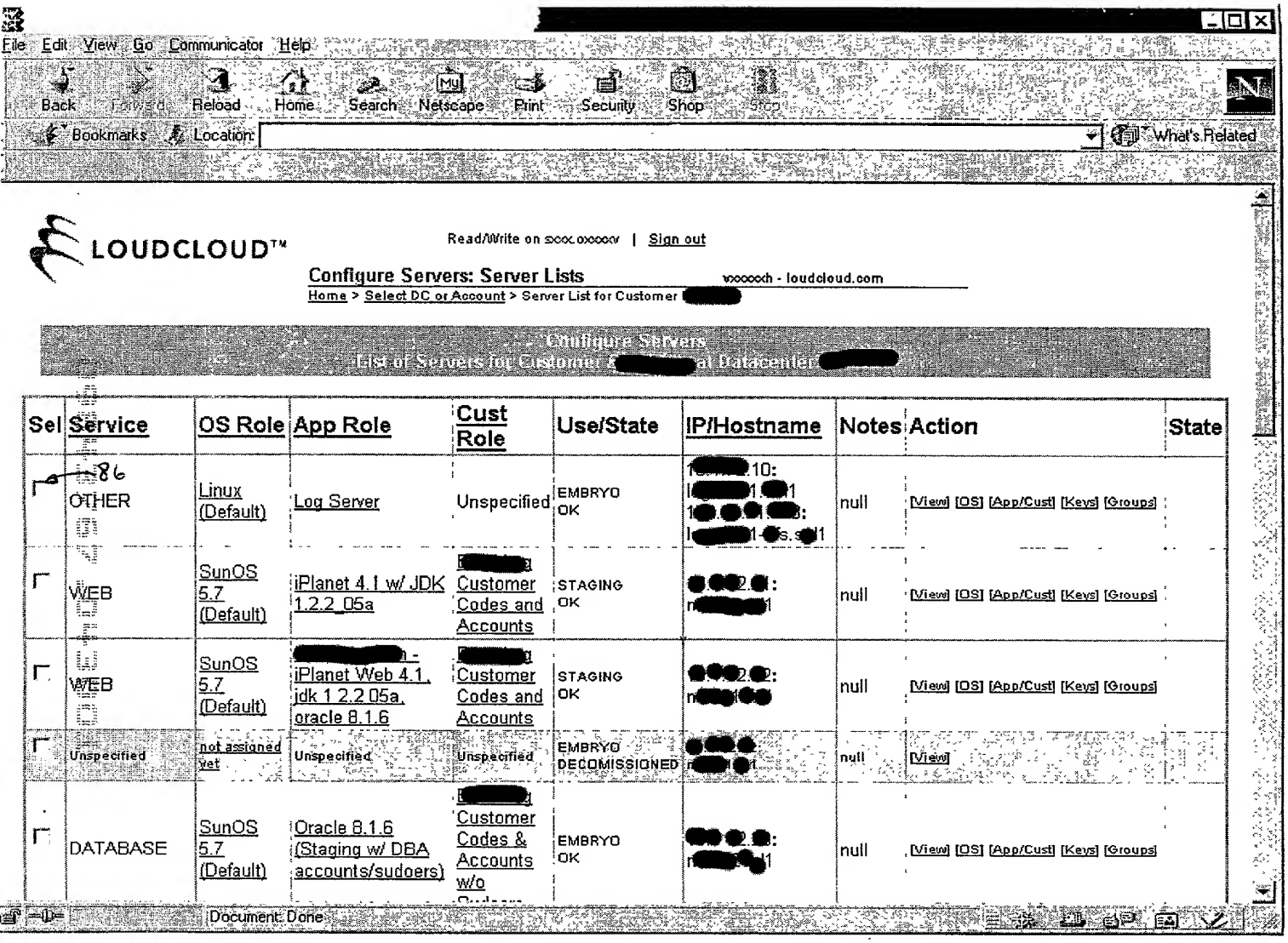
File Edit View Go Communicator Help
Back Forward Reload Home Search Netscape Print Security Shop Stop
Bookmarks Location: What's Related
LOUDCLOUD™
Read/Write on [redacted] | Sign out
Configure Servers: Server Lists
Home > Select DC or Account > Server List for Customer [redacted]
Configure Servers
List of Servers for Customer [redacted] at Datacenter [redacted]
Sel Service OS Role App Role Cust Role Use/State IP/Hostname Notes Action State
86
OTHER Linux (Default) Log Server Unspecified EMBRYO OK null [View] [OS] [App/Cust] [Keys] [Groups]
WEB SunOS 5.7 (Default) iPlanet 4.1 w/ JDK 1.2.2_05a Customer Codes and Accounts STAGING OK null [View] [OS] [App/Cust] [Keys] [Groups]
WEB SunOS 5.7 (Default) iPlanet Web 4.1, jdk 1.2.2 05a, oracle 8.1.6 Customer Codes and Accounts STAGING OK null [View] [OS] [App/Cust] [Keys] [Groups]
Unspecified not assigned yet Unspecified Unspecified EMBRYO DECOMISSIONED null [View]
DATABASE SunOS 5.7 (Default) Oracle 8.1.6 (Staging w/ DBA accounts/sudoers) Customer Codes & Accounts w/o EMBRYO OK null [View] [OS] [App/Cust] [Keys] [Groups]
Document: Done

Fig. 8C

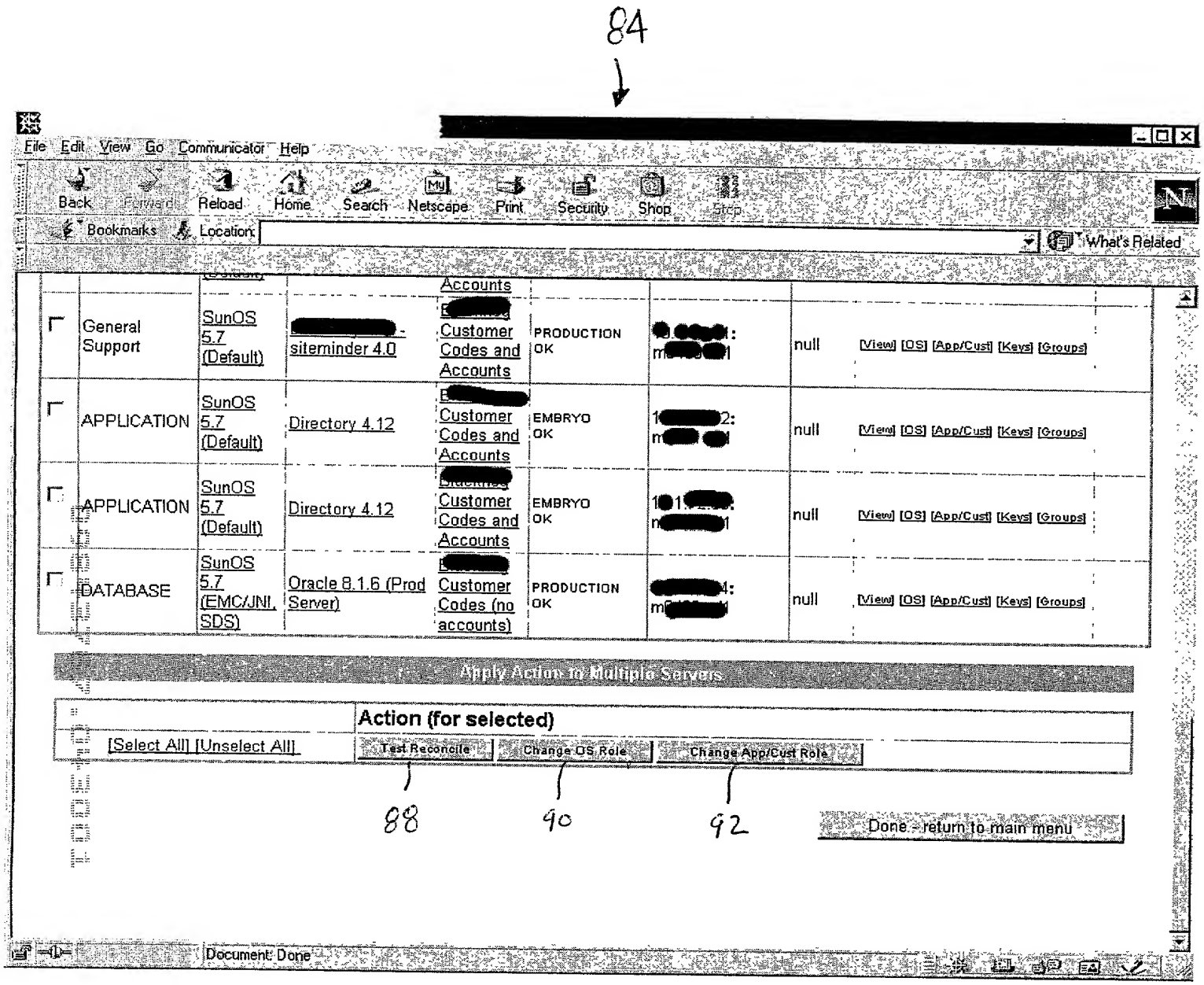
84
File Edit View Go Communicator Help
Back Forward Reload Home Search Netscape Print Security Shop Stop
Bookmarks Location
What's Related
Accounts
General Support
SunOS 5.7 (Default)
siteminder 4.0
Customer Codes and Accounts
PRODUCTION OK
null
[View] [OS] [App/Cust] [Keys] [Groups]
APPLICATION
SunOS 5.7 (Default)
Directory 4.12
Customer Codes and Accounts
EMBRYO OK
null
[View] [OS] [App/Cust] [Keys] [Groups]
APPLICATION
SunOS 5.7 (Default)
Directory 4.12
Customer Codes and Accounts
EMBRYO OK
null
[View] [OS] [App/Cust] [Keys] [Groups]
DATABASE
SunOS 5.7 (EMC/JNI, SDS)
Oracle 8.1.6 (Prod Server)
Customer Codes (no accounts)
PRODUCTION OK
null
[View] [OS] [App/Cust] [Keys] [Groups]
Apply Action to Multiple Servers
Action (for selected)
[Select All] [Unselect All]
Test Reconcile
Change OS Role
Change App/Cust Role
88
90
92
Done - return to main menu
Document: Done

Fig. 8D

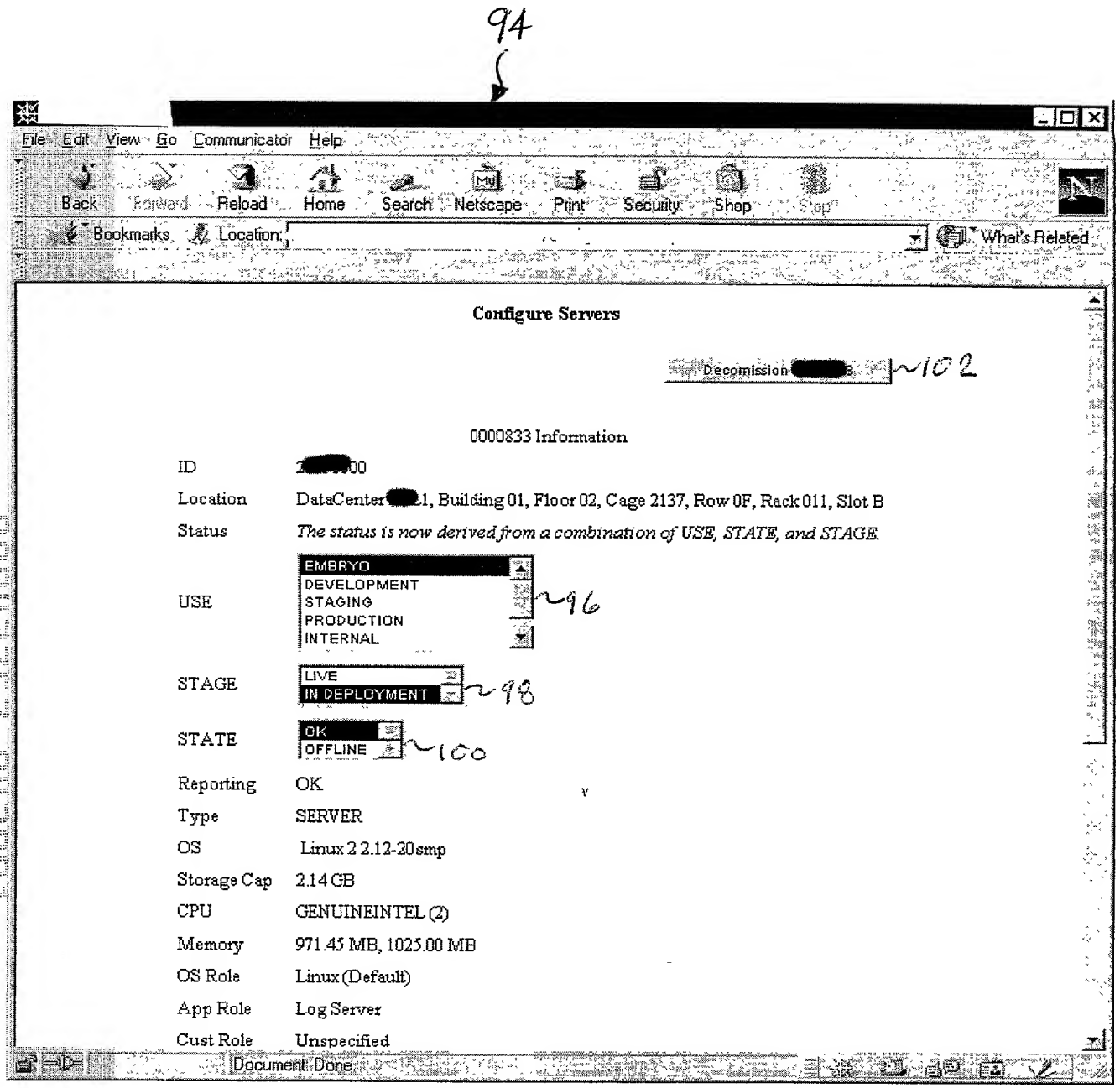
94
File Edit View Go Communicator Help
Back Forward Reload Home Search Netscape Print Security Shop Stop
Bookmarks Location: What's Related
Configure Servers
Decomission [redacted] ~102
0000833 Information
ID [redacted]00
Location DataCenter[redacted]1, Building 01, Floor 02, Cage 2137, Row 0F, Rack 011, Slot B
Status The status is now derived from a combination of USE, STATE, and STAGE.
USE
EMBRYO
DEVELOPMENT
STAGING
PRODUCTION
INTERNAL
~96
STAGE
LIVE
IN DEPLOYMENT
~98
STATE
OK
OFFLINE
~100
Reporting OK
Type SERVER
OS Linux 2 2.12-20smp
Storage Cap 2.14 GB
CPU GENUINEINTEL (2)
Memory 971.45 MB, 1025.00 MB
OS Role Linux (Default)
App Role Log Server
Cust Role Unspecified
Document: Done

Fig. 8E

104

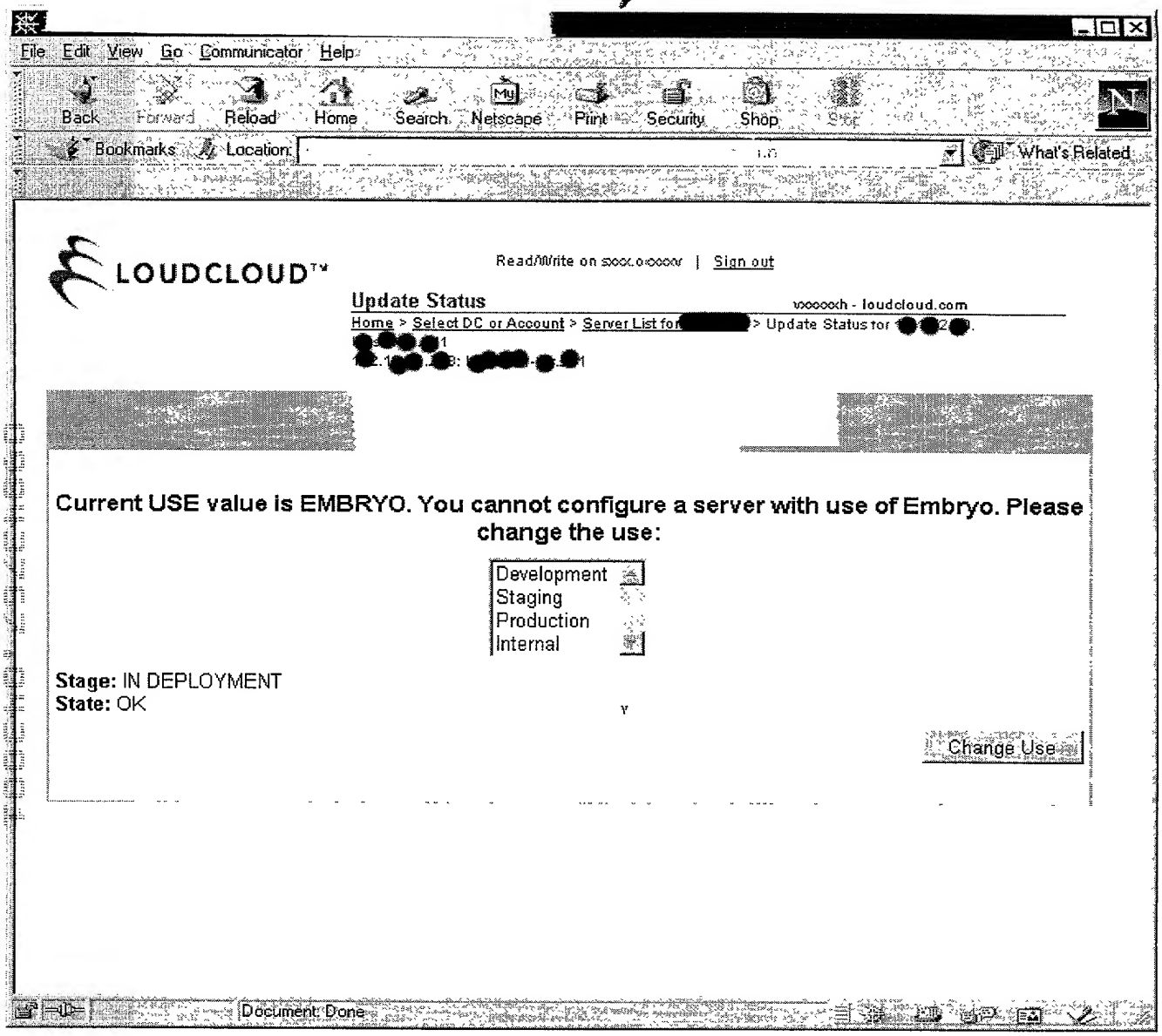
File Edit View Go Communicator Help
Back Forward Reload Home Search Netscape Print Security Shop Stop
Bookmarks Location: What's Related
LOUDCLOUD™
Read/Write on [redacted] | Sign out
Update Status
[redacted] - loudcloud.com
Home > Select DC or Account > Server List for [redacted] > Update Status for [redacted]
Current USE value is EMBRYO. You cannot configure a server with use of Embryo. Please change the use:
Development
Staging
Production
Internal
Stage: IN DEPLOYMENT
State: OK
Change Use
Document: Done

Fig. 8F

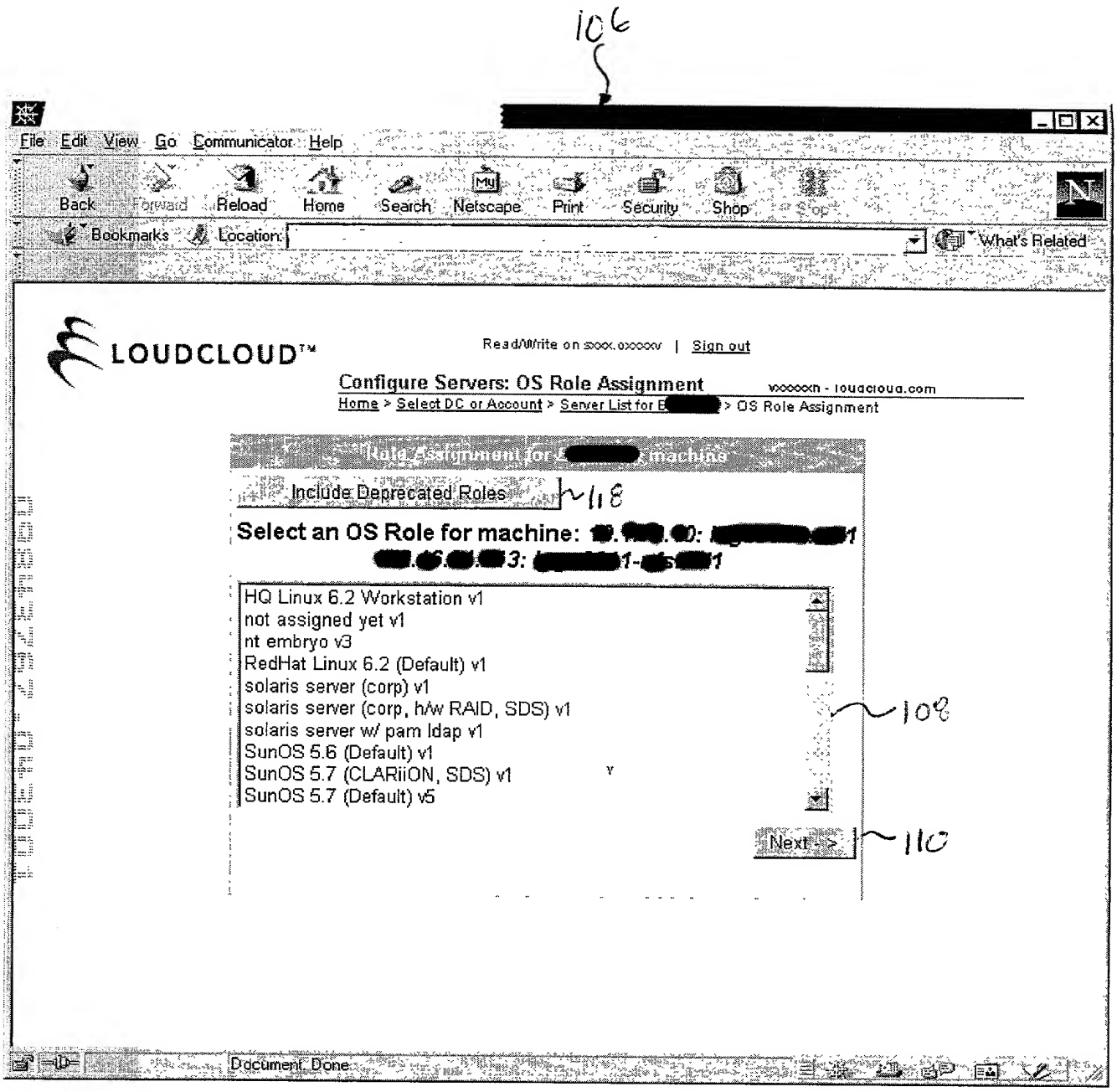
106
File Edit View Go Communicator Help
Back Forward Reload Home Search Netscape Print Security Shop Stop
Bookmarks Location: What's Related
LOUDCLOUD™
Read/Write on xxxx.xxxxxv | Sign out
Configure Servers: OS Role Assignment
Home > Select DC or Account > Server List for E > OS Role Assignment
Include Deprecated Roles
118
Select an OS Role for machine:
HQ Linux 6.2 Workstation v1
not assigned yet v1
nt embryo v3
RedHat Linux 6.2 (Default) v1
solaris server (corp) v1
solaris server (corp, h/w RAID, SDS) v1
solaris server w/ pam ldap v1
SunOS 5.6 (Default) v1
SunOS 5.7 (CLARiiON, SDS) v1
SunOS 5.7 (Default) v5
108
Next >
110
Document: Done

Fig. 8G

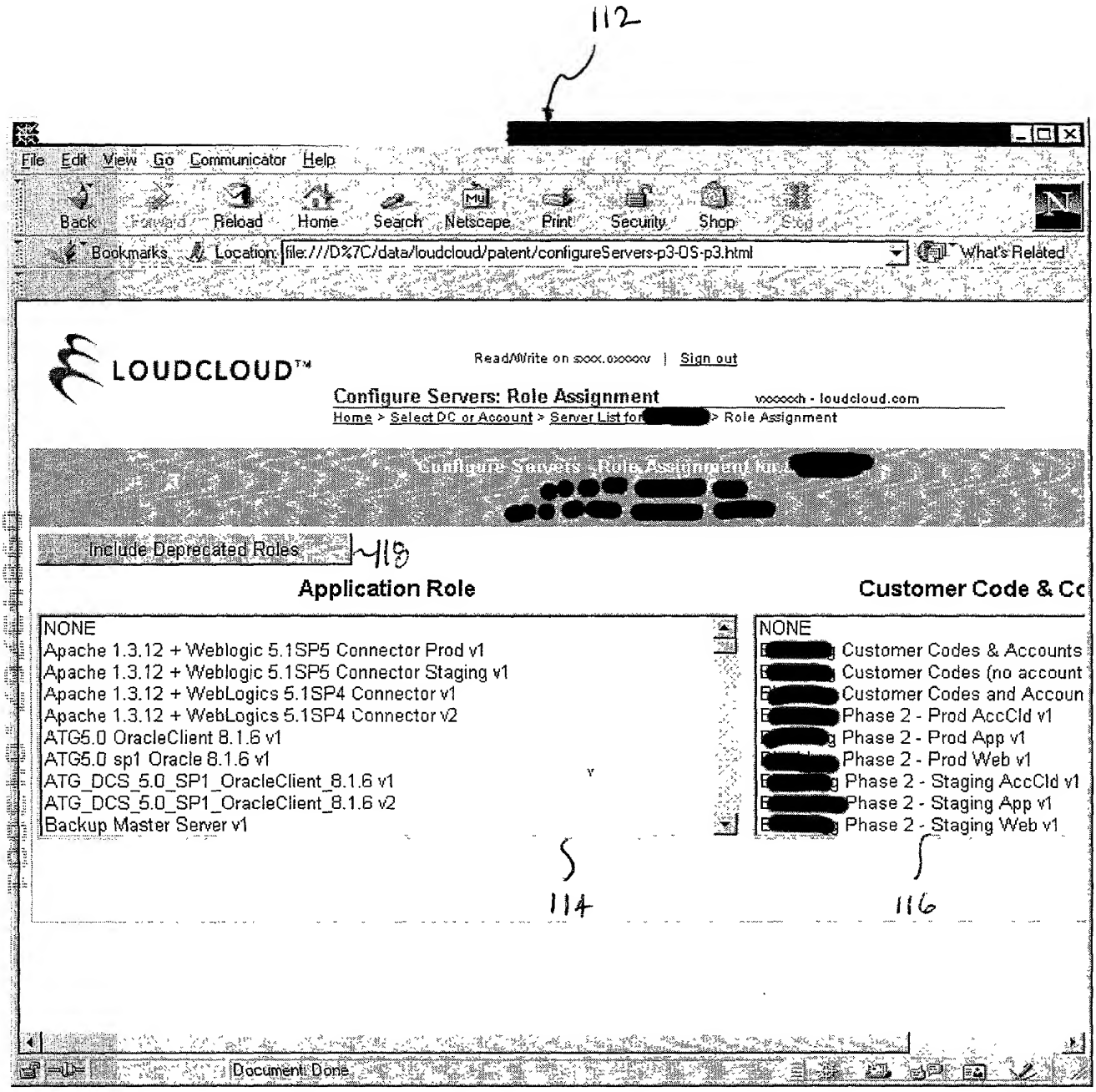
112
File Edit View Go Communicator Help
Back Forward Reload Home Search Netscape Print Security Shop Stop
Bookmarks Location: file:///D%7C/data/loudcloud/patent/configureServers-p3-OS-p3.html
What's Related
LOUDCLOUD™
Read/Write on xxx.xxxxv | Sign out
Configure Servers: Role Assignment
Home > Select DC or Account > Server List for > Role Assignment
Include Deprecated Roles
118
Application Role
Customer Code & Cc
NONE
Apache 1.3.12 + Weblogic 5.1SP5 Connector Prod v1
Apache 1.3.12 + Weblogic 5.1SP5 Connector Staging v1
Apache 1.3.12 + WebLogics 5.1SP4 Connector v1
Apache 1.3.12 + WebLogics 5.1SP4 Connector v2
ATG5.0 OracleClient 8.1.6 v1
ATG5.0 sp1 Oracle 8.1.6 v1
ATG_DCS_5.0_SP1_OracleClient_8.1.6 v1
ATG_DCS_5.0_SP1_OracleClient_8.1.6 v2
Backup Master Server v1
NONE
Customer Codes & Accounts
Customer Codes (no account
Customer Codes and Accoun
Phase 2 - Prod AccCld v1
Phase 2 - Prod App v1
Phase 2 - Prod Web v1
Phase 2 - Staging AccCld v1
Phase 2 - Staging App v1
Phase 2 - Staging Web v1
114
116
Document: Done

Fig. 8H

120

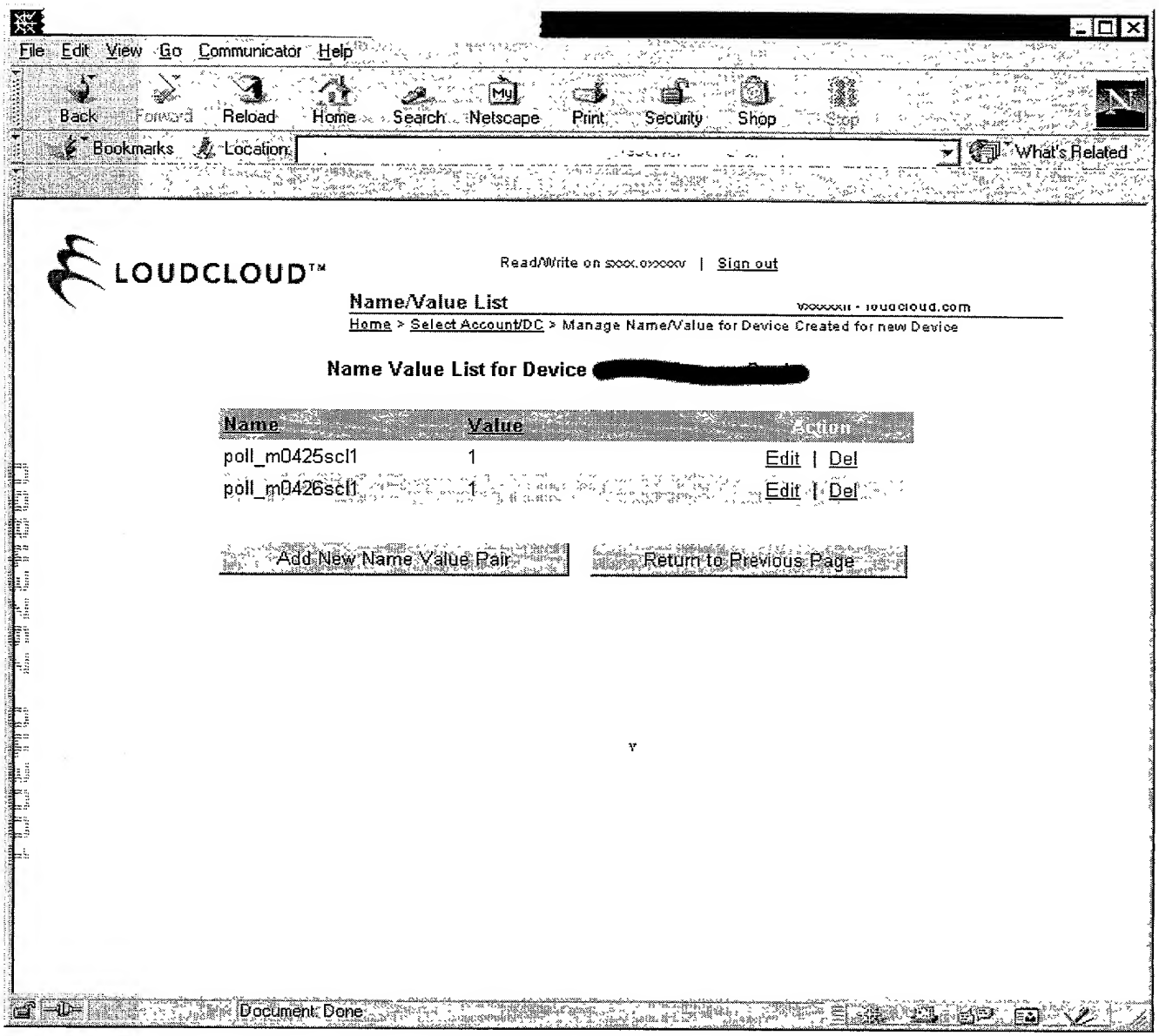
File Edit View Go Communicator Help
Back Forward Reload Home Search Netscape Print Security Shop Stop
Bookmarks Location: What's Related
LOUDCLOUD™
Read/Write on xxxx.xxxxxv | Sign out
Name/Value List
Home > Select Account/DC > Manage Name/Value for Device Created for new Device
Name Value List for Device [redacted]
Name Value Action
poll_m0425scl1 1 Edit | Del
poll_m0426scl1 1 Edit | Del
Add New Name Value Pair
Return to Previous Page
Document: Done

Fig. 8I

122

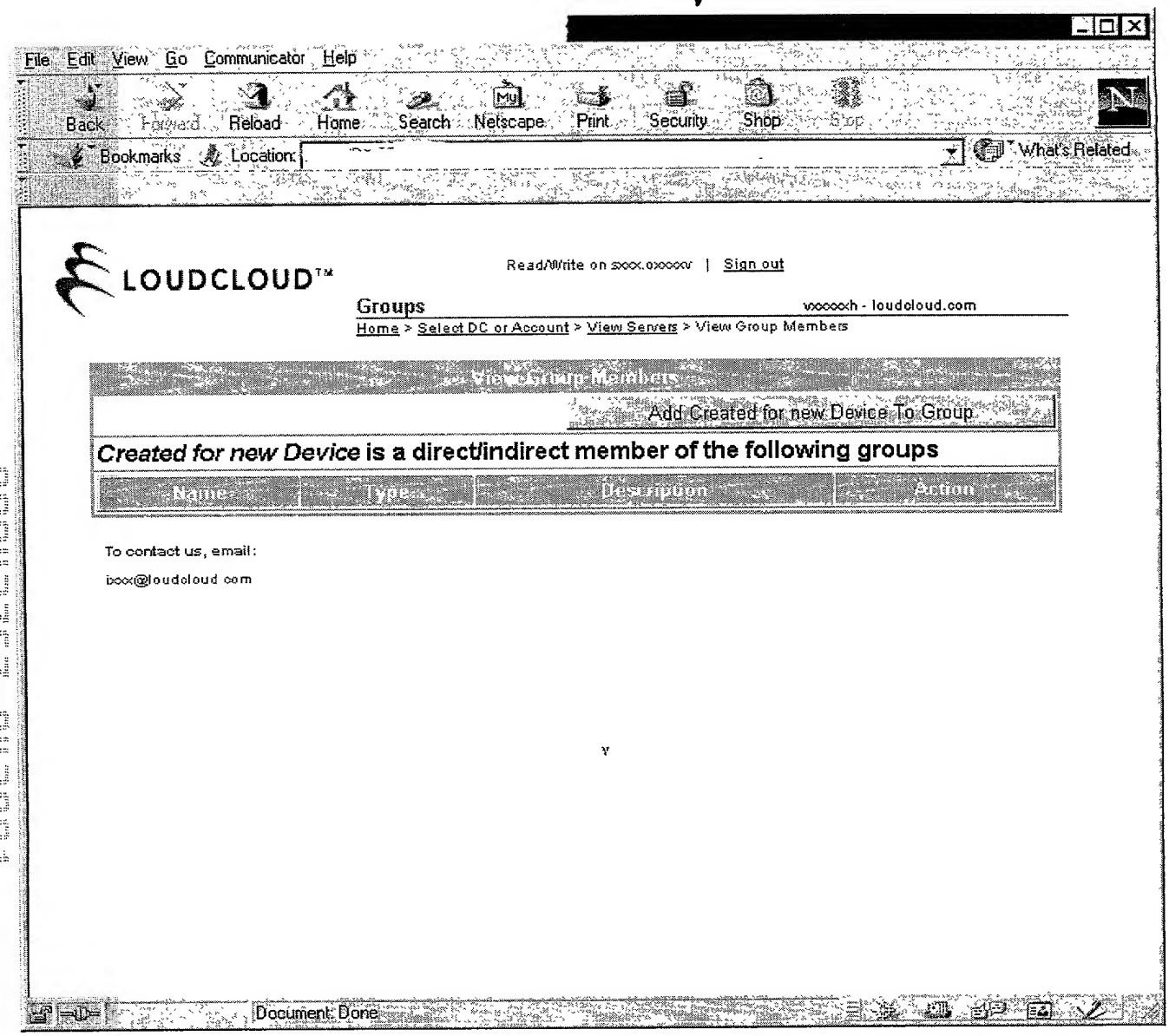
File Edit View Go Communicator Help
Back Forward Reload Home Search Netscape Print Security Shop Stop
Bookmarks Location: What's Related
LOUDCLOUD™
Read/Write on xxx.xxxxv | Sign out
Groups
vxxxxxh - loudcloud.com
Home > Select DC or Account > View Servers > View Group Members
View Group Members
Add Created for new Device To Group
Created for new Device is a direct/indirect member of the following groups
Name
Type
Description
Action
To contact us, email:
xxx@loudcloud.com
Document: Done

Fig. 8J

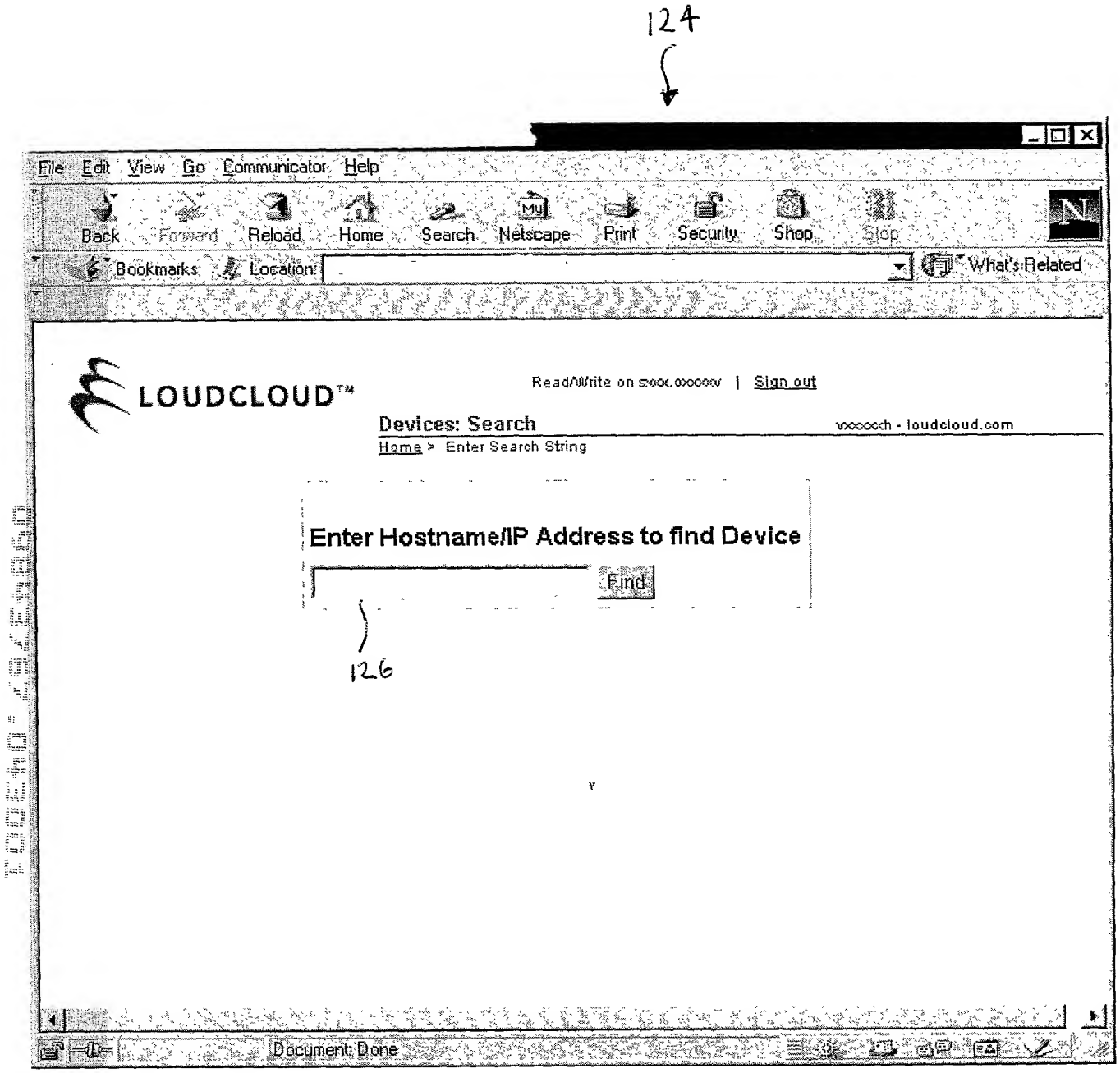
124
File Edit View Go Communicator Help
Back Forward Reload Home Search Netscape Print Security Shop Stop
Bookmarks Location: What's Related
LOUDCLOUD™
Read/Write on xxxx.xxxxxv | Sign out
Devices: Search
vxxxxch - loudcloud.com
Home > Enter Search String
Enter Hostname/IP Address to find Device
Find
126
Document: Done

Fig. 9A

128

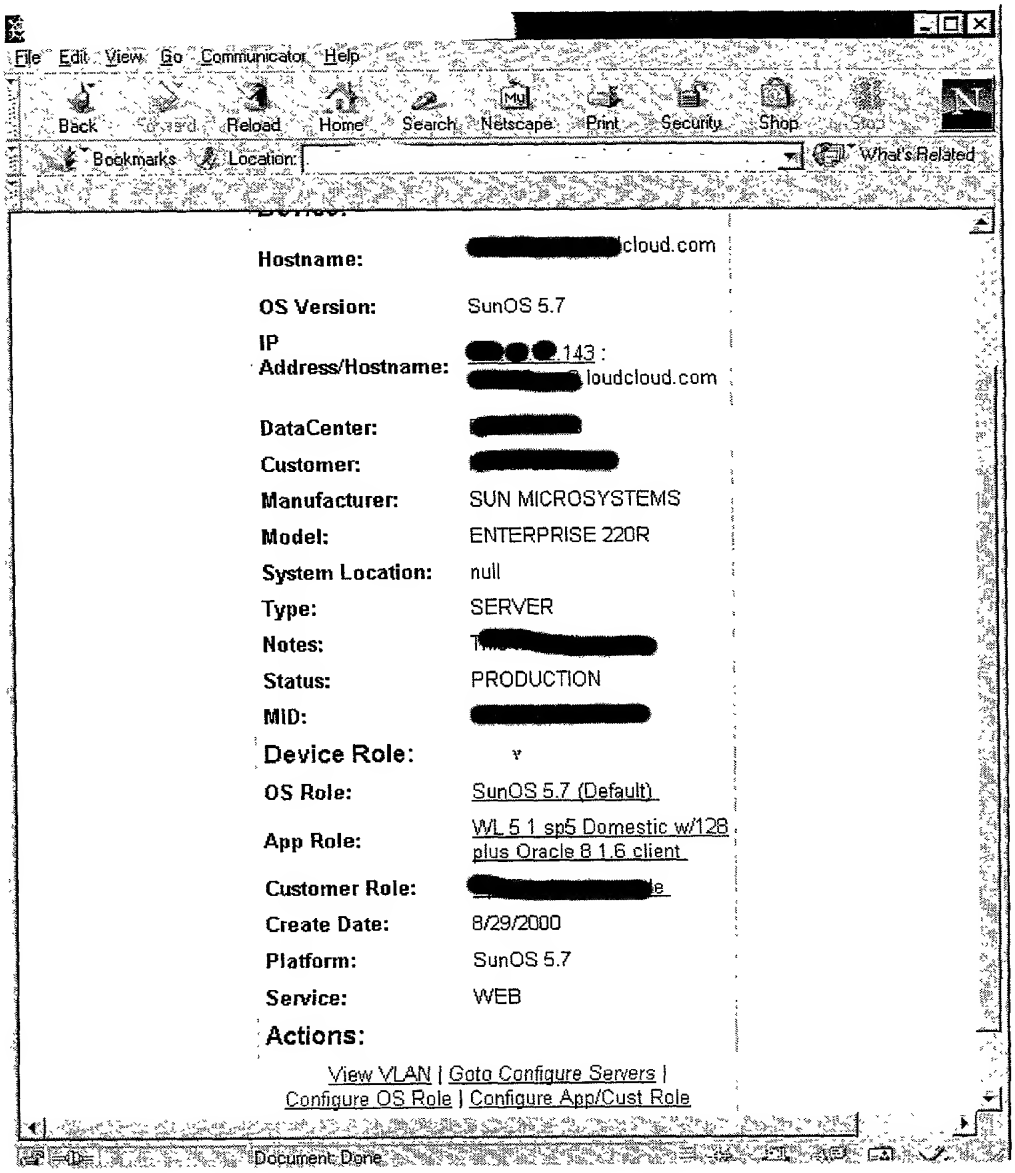
File Edit View Go Communicator Help
Back Forward Reload Home Search Netscape Print Security Shop Stop
Bookmarks Location: What's Related
Hostname: [redacted]cloud.com
OS Version: SunOS 5.7
IP Address/Hostname: [redacted]143 : [redacted]loudcloud.com
DataCenter: [redacted]
Customer: [redacted]
Manufacturer: SUN MICROSYSTEMS
Model: ENTERPRISE 220R
System Location: null
Type: SERVER
Notes: [redacted]
Status: PRODUCTION
MID: [redacted]
Device Role:
OS Role: SunOS 5.7 (Default)
App Role: WL 5 1 sp5 Domestic w/128 plus Oracle 8 1.6 client
Customer Role: [redacted]e
Create Date: 8/29/2000
Platform: SunOS 5.7
Service: WEB
Actions:
View VLAN | Goto Configure Servers | Configure OS Role | Configure App/Cust Role
Document: Done

Fig. 9B

130

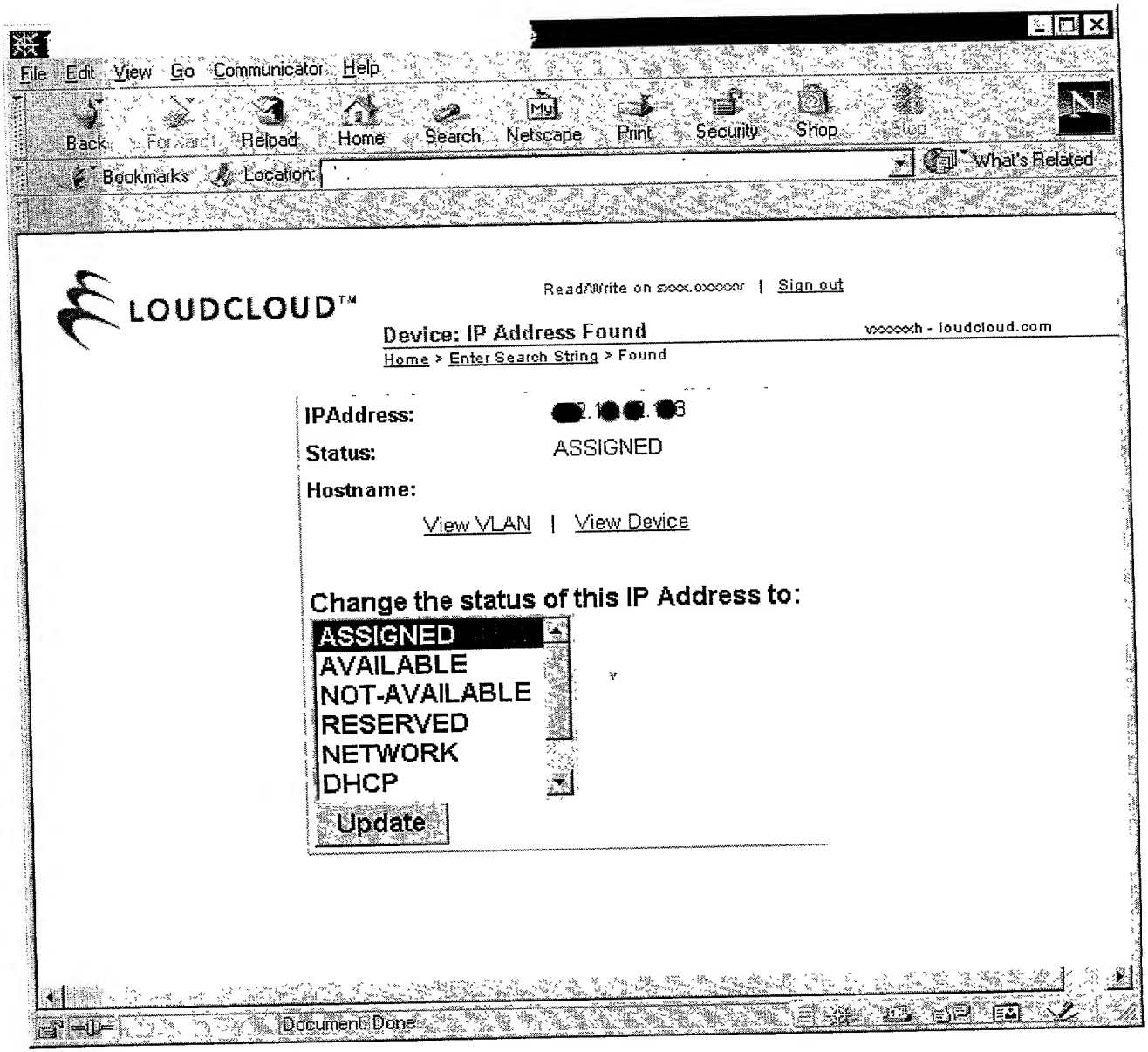
File Edit View Go Communicator Help
Back Forward Reload Home Search Netscape Print Security Shop Stop
Bookmarks Location: What's Related
LOUDCLOUD™
Read/Write on [redacted] | Sign out
Device: IP Address Found
[redacted]h - loudcloud.com
Home > Enter Search String > Found
IPAddress: [redacted]
Status: ASSIGNED
Hostname:
View VLAN | View Device
Change the status of this IP Address to:
ASSIGNED
AVAILABLE
NOT-AVAILABLE
RESERVED
NETWORK
DHCP
Update
Document: Done

Fig. 9C

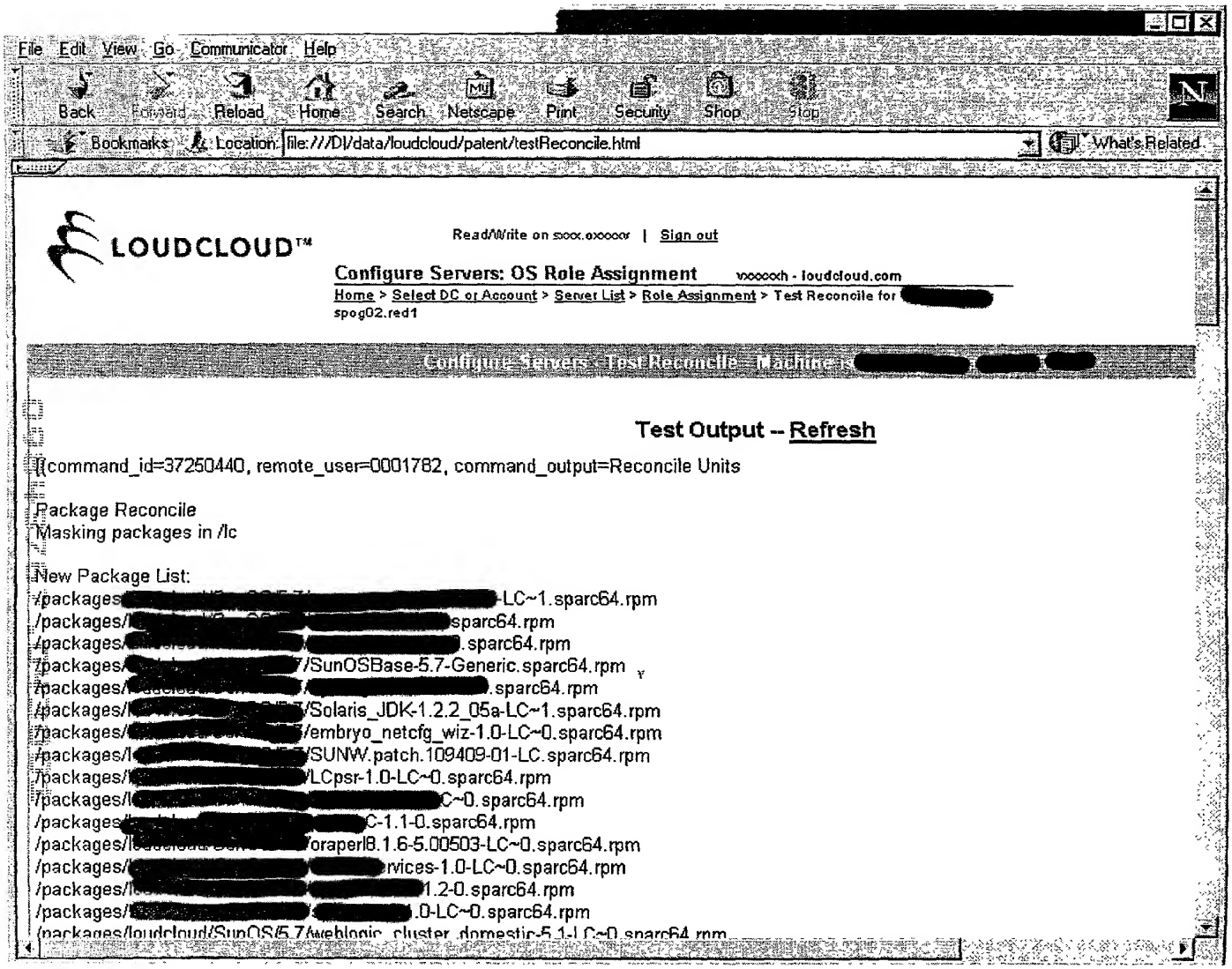
File Edit View Go Communicator Help
Back Forward Reload Home Search Netscape Print Security Shop Stop
Bookmarks Location: file:///D|/data/loudcloud/patent/testReconcile.html
What's Related
LOUDCLOUD™
Read/Write on sxxx.exxxxr | Sign out
Configure Servers: OS Role Assignment vxxxxch - loudcloud.com
Home > Select DC or Account > Server List > Role Assignment > Test Reconcile for
spog02.red1
Configure Servers - Test Reconcile - Machine:
Test Output -- Refresh
[{command_id=37250440, remote_user=0001782, command_output=Reconcile Units
Package Reconcile
Masking packages in /lc
New Package List:
/packages -LC~1.sparc64.rpm
/packages/ sparc64.rpm
/packages/ .sparc64.rpm
/packages/ /SunOSBase-5.7-Generic.sparc64.rpm
/packages/ .sparc64.rpm
/packages/ /Solaris_JDK-1.2.2_05a-LC~1.sparc64.rpm
/packages/ /embryo_netcfg_wiz-1.0-LC~0.sparc64.rpm
/packages/ /SUNW.patch.109409-01-LC.sparc64.rpm
/packages/ /LCpsr-1.0-LC~0.sparc64.rpm
/packages/ C~0.sparc64.rpm
/packages/ C-1.1-0.sparc64.rpm
/packages/ oraperl8.1.6-5.00503-LC~0.sparc64.rpm
/packages/ rvices-1.0-LC~0.sparc64.rpm
/packages/ 1.2-0.sparc64.rpm
/packages/ .0-LC~0.sparc64.rpm
/packages/loudcloud/SunOS5.7/weblogic_cluster_domestic-5.1-LC~0.sparc64.rpm

Figure 10A

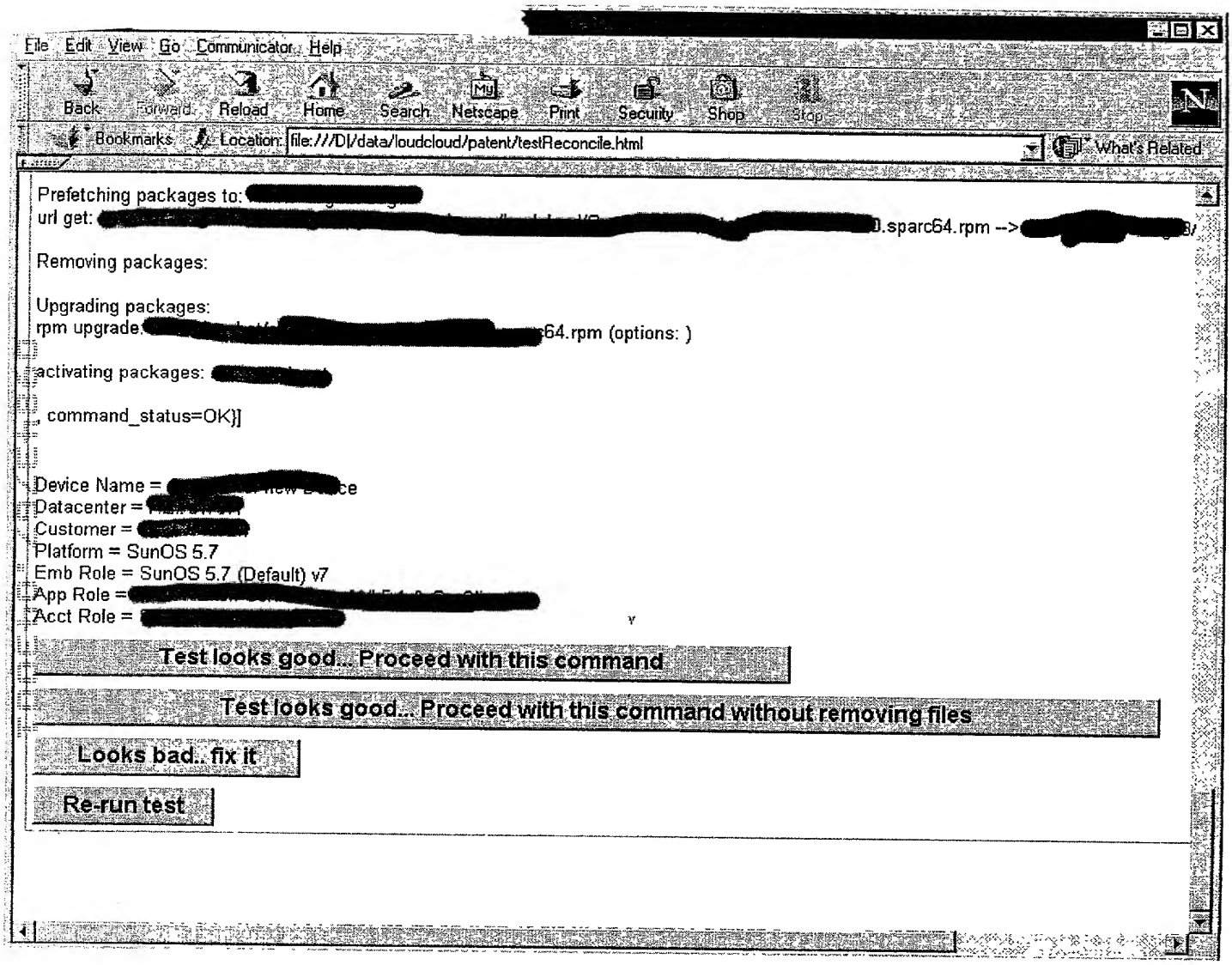
File Edit View Go Communicator Help
Back Forward Reload Home Search Netscape Print Security Shop Stop
Bookmarks Location: file:///D|/data/loudcloud/patent/testReconcile.html
What's Related
Prefetching packages to:
url get: .sparc64.rpm -->
Removing packages:
Upgrading packages:
rpm upgrade: 64.rpm (options:)
activating packages:
, command_status=OK}]
Device Name =
Datacenter =
Customer =
Platform = SunOS 5.7
Emb Role = SunOS 5.7 (Default) v7
App Role =
Acct Role =
Test looks good... Proceed with this command
Test looks good... Proceed with this command without removing files
Looks bad.. fix it
Re-run test

Figure 10B